

United States Bankruptcy Court						Voluntary Petition													
Name of Debtor (if individual, enter Last, First, Middle): Asyst Technologies, Inc., a California corporation			Name of Joint Debtor (Spouse) (Last, First, Middle):																
All Other Names used by the Debtor in the last 8 years (include married, maiden, and trade names):			All Other Names used by the Joint Debtor in the last 8 years (include married, maiden, and trade names):																
Last four digits of Soc. Sec. or Individual-Taxpayer I.D. (ITIN) No./Complete EIN (if more than one, state all): 94-2942251			Last four digits of Soc. Sec. or Individual-Taxpayer I.D. (ITIN) No./Complete EIN (if more than one, state all):																
Street Address of Debtor (No. and Street, City, and State): 46897 Bayside Parkway, Fremont, CA			Street Address of Joint Debtor (No. and Street, City, and State):																
			ZIP CODE 94538						ZIP CODE										
County of Residence or of the Principal Place of Business: Alameda			County of Residence or of the Principal Place of Business:																
Mailing Address of Debtor (if different from street address):			Mailing Address of Joint Debtor (if different from street address):																
			ZIP CODE						ZIP CODE										
Location of Principal Assets of Business Debtor (if different from street address above):																			
<b>Type of Debtor</b> (Form of Organization) (Check one box.)			<b>Nature of Business</b> (Check one box.) <input type="checkbox"/> Health Care Business <input type="checkbox"/> Single Asset Real Estate as defined in 11 U.S.C. § 101(51B) <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Stockbroker <input type="checkbox"/> Commodity Broker <input type="checkbox"/> Clearing Bank <input checked="" type="checkbox"/> Other : automation solutions for the semiconductor, flat panel display, and related industries			<b>Chapter of Bankruptcy Code Under Which the Petition is Filed</b> (Check one box.) <input type="checkbox"/> Chapter 7 <input type="checkbox"/> Chapter 15 Petition for Recognition of a Foreign Main Proceeding <input type="checkbox"/> Chapter 9 <input checked="" type="checkbox"/> Chapter 11 <input checked="" type="checkbox"/> Chapter 11 <input type="checkbox"/> Chapter 15 Petition for Recognition of a Foreign Nonmain Proceeding <input type="checkbox"/> Chapter 12 <input type="checkbox"/> Chapter 13 <input type="checkbox"/> Chapter 13													
<b>Filing Fee</b> (Check one box.) <input checked="" type="checkbox"/> Full Filing Fee attached. <input type="checkbox"/> Filing Fee to be paid in installments (applicable to individuals only). Must attach signed application for the court's consideration certifying that the debtor is unable to pay fee except in installments. Rule 1006(b). See Official Form 3A. <input type="checkbox"/> Filing Fee waiver requested (applicable to chapter 7 individuals only). Must attach signed application for the court's consideration. See Official Form 3B.			<b>Chapter 11 Debtors</b> <b>Check one box:</b> <input type="checkbox"/> Debtor is a small business debtor as defined in 11 U.S.C. § 101(51D). <input checked="" type="checkbox"/> Debtor is not a small business debtor as defined in 11 U.S.C. § 101(51D). <b>Check if:</b> <input type="checkbox"/> Debtor's aggregate noncontingent liquidated debts (excluding debts owed to insiders or affiliates) are less than \$2,190,000. <b>Check all applicable boxes:</b> <input type="checkbox"/> A plan is being filed with this petition. <input type="checkbox"/> Acceptances of the plan were solicited prepetition from one or more classes of creditors, in accordance with 11 U.S.C. § 1126(b).																
<b>Statistical/Administrative Information</b> <input type="checkbox"/> Debtor estimates that funds will be available for distribution to unsecured creditors. <input checked="" type="checkbox"/> Debtor estimates that, after any exempt property is excluded and administrative expenses paid, there will be no funds available for distribution to unsecured creditors.									<b>THIS SPACE IS FOR COURT USE ONLY</b>										
<b>Estimated Number of Creditors</b> <table border="1"> <tr> <td><input type="checkbox"/> 1-49</td> <td><input type="checkbox"/> 50-99</td> <td><input type="checkbox"/> 100-199</td> <td><input type="checkbox"/> 200-999</td> <td><input type="checkbox"/> 1,000-5,000</td> <td><input checked="" type="checkbox"/> 5,001-10,000</td> <td><input type="checkbox"/> 10,001-25,000</td> <td><input type="checkbox"/> 25,001-50,000</td> <td><input type="checkbox"/> 50,001-100,000</td> <td><input type="checkbox"/> Over 100,000</td> </tr> </table>										<input type="checkbox"/> 1-49	<input type="checkbox"/> 50-99	<input type="checkbox"/> 100-199	<input type="checkbox"/> 200-999	<input type="checkbox"/> 1,000-5,000	<input checked="" type="checkbox"/> 5,001-10,000	<input type="checkbox"/> 10,001-25,000	<input type="checkbox"/> 25,001-50,000	<input type="checkbox"/> 50,001-100,000	<input type="checkbox"/> Over 100,000
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<b>Estimated Assets</b> <table border="1"> <tr> <td><input type="checkbox"/> \$0 to \$50,000</td> <td><input type="checkbox"/> \$10,001 to \$100,000</td> <td><input type="checkbox"/> \$100,001 to \$500,000</td> <td><input type="checkbox"/> \$500,001 to \$1 million</td> <td><input type="checkbox"/> \$1,000,001 to \$10 million</td> <td><input type="checkbox"/> \$10,000,001 to \$50 million</td> <td><input checked="" type="checkbox"/> \$50,000,001 to \$100 million</td> <td><input type="checkbox"/> \$100,000,001 to \$500 million</td> <td><input type="checkbox"/> \$500,000,001 to \$1 billion</td> <td><input type="checkbox"/> More than \$1 billion</td> </tr> </table>										<input type="checkbox"/> \$0 to \$50,000	<input type="checkbox"/> \$10,001 to \$100,000	<input type="checkbox"/> \$100,001 to \$500,000	<input type="checkbox"/> \$500,001 to \$1 million	<input type="checkbox"/> \$1,000,001 to \$10 million	<input type="checkbox"/> \$10,000,001 to \$50 million	<input checked="" type="checkbox"/> \$50,000,001 to \$100 million	<input type="checkbox"/> \$100,000,001 to \$500 million	<input type="checkbox"/> \$500,000,001 to \$1 billion	<input type="checkbox"/> More than \$1 billion
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<b>Estimated Liabilities</b> <table border="1"> <tr> <td><input type="checkbox"/> \$0 to \$50,000</td> <td><input type="checkbox"/> \$10,001 to \$100,000</td> <td><input type="checkbox"/> \$100,001 to \$500,000</td> <td><input type="checkbox"/> \$500,001 to \$1 million</td> <td><input type="checkbox"/> \$1,000,001 to \$10 million</td> <td><input type="checkbox"/> \$10,000,001 to \$50 million</td> <td><input checked="" type="checkbox"/> \$50,000,001 to \$100 million</td> <td><input type="checkbox"/> \$100,000,001 to \$500 million</td> <td><input type="checkbox"/> \$500,000,001 to \$1 billion</td> <td><input type="checkbox"/> More than \$1 billion</td> </tr> </table>									<input type="checkbox"/> \$0 to \$50,000	<input type="checkbox"/> \$10,001 to \$100,000	<input type="checkbox"/> \$100,001 to \$500,000	<input type="checkbox"/> \$500,001 to \$1 million	<input type="checkbox"/> \$1,000,001 to \$10 million	<input type="checkbox"/> \$10,000,001 to \$50 million	<input checked="" type="checkbox"/> \$50,000,001 to \$100 million	<input type="checkbox"/> \$100,000,001 to \$500 million	<input type="checkbox"/> \$500,000,001 to \$1 billion	<input type="checkbox"/> More than \$1 billion	
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<b>Voluntary Petition</b> <i>(This page must be completed and filed in every case.)</i>		Name of Debtor(s): Asyst Technologies, Inc.	
<b>All Prior Bankruptcy Cases Filed Within Last 8 Years</b> (If more than two, attach additional sheet.)			
Location Where Filed:	Case Number:	Date Filed:	
Location Where Filed:	Case Number:	Date Filed:	
<b>Pending Bankruptcy Case Filed by any Spouse, Partner, or Affiliate of this Debtor</b> (If more than one, attach additional sheet.)			
Name of Debtor:	Case Number:	Date Filed:	
District:	Relationship:	Judge:	
<b>Exhibit A</b> (To be completed if debtor is required to file periodic reports (e.g., forms 10K and 10Q) with the Securities and Exchange Commission pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 and is requesting relief under chapter 11.)		<b>Exhibit B</b> (To be completed if debtor is an individual whose debts are primarily consumer debts.)  I, the attorney for the petitioner named in the foregoing petition, declare that I have informed the petitioner that [he or she] may proceed under chapter 7, 11, 12, or 13 of title 11, United States Code, and have explained the relief available under each such chapter. I further certify that I have delivered to the debtor the notice required by 11 U.S.C. § 342(b).  <input checked="" type="checkbox"/> X _____ Signature of Attorney for Debtor(s) (Date)	
<b>Exhibit C</b> Does the debtor own or have possession of any property that poses or is alleged to pose a threat of imminent and identifiable harm to public health or safety?  <input type="checkbox"/> Yes, and Exhibit C is attached and made a part of this petition.  <input checked="" type="checkbox"/> No.			
<b>Exhibit D</b> (To be completed by every individual debtor. If a joint petition is filed, each spouse must complete and attach a separate Exhibit D.)  <input type="checkbox"/> Exhibit D completed and signed by the debtor is attached and made a part of this petition.			
<p>If this is a joint petition:</p> <p><input type="checkbox"/> Exhibit D also completed and signed by the joint debtor is attached and made a part of this petition.</p>			
<b>Information Regarding the Debtor - Venue</b> (Check any applicable box.)			
<input checked="" type="checkbox"/> Debtor has been domiciled or has had a residence, principal place of business, or principal assets in this District for 180 days immediately preceding the date of this petition or for a longer part of such 180 days than in any other District. <input type="checkbox"/> There is a bankruptcy case concerning debtor's affiliate, general partner, or partnership pending in this District. <input type="checkbox"/> Debtor is a debtor in a foreign proceeding and has its principal place of business or principal assets in the United States in this District, or has no principal place of business or assets in the United States but is a defendant in an action or proceeding [in a federal or state court] in this District, or the interests of the parties will be served in regard to the relief sought in this District.			
<b>Certification by a Debtor Who Resides as a Tenant of Residential Property</b> (Check all applicable boxes.)			
<input type="checkbox"/> Landlord has a judgment against the debtor for possession of debtor's residence. (If box checked, complete the following.)			
_____ (Name of landlord that obtained judgment)			
_____ (Address of landlord)			
<input type="checkbox"/> Debtor claims that under applicable nonbankruptcy law, there are circumstances under which the debtor would be permitted to cure the entire monetary default that gave rise to the judgment for possession, after the judgment for possession was entered, and <input type="checkbox"/> Debtor has included with this petition the deposit with the court of any rent that would become due during the 30-day period after the filing of the petition. <input type="checkbox"/> Debtor certifies that he/she has served the Landlord with this certification. (11 U.S.C. § 362(1)).			

<b>Voluntary Petition</b> <i>(This page must be completed and filed in every case.)</i>		Name of Debtor(s): Asyst Technologies, Inc.
<b>Signatures</b>		
<b>Signature(s) of Debtor(s) (Individual/Joint)</b>		<b>Signature of a Foreign Representative</b>
<p>I declare under penalty of perjury that the information provided in this petition is true and correct.</p> <p>[If petitioner is an individual whose debts are primarily consumer debts and has chosen to file under chapter 7] I am aware that I may proceed under chapter 7, 11, 12 or 13 of title 11, United States Code, understand the relief available under each such chapter, and choose to proceed under chapter 7.</p> <p>[If no attorney represents me and no bankruptcy petition preparer signs the petition] I have obtained and read the notice required by 11 U.S.C. § 342(b).</p> <p>I request relief in accordance with the chapter of title 11, United States Code, specified in this petition.</p>		
<input checked="" type="checkbox"/> Signature of Debtor		<input type="checkbox"/> I request relief in accordance with chapter 15 of title 11, United States Code. Certified copies of the documents required by 11 U.S.C. § 1515 are attached.
<input checked="" type="checkbox"/> Signature of Joint Debtor		<input type="checkbox"/> Pursuant to 11 U.S.C. § 1511, I request relief in accordance with the chapter of title 11 specified in this petition. A certified copy of the order granting recognition of the foreign main proceeding is attached.
		<input checked="" type="checkbox"/> (Signature of Foreign Representative)
		(Printed Name of Foreign Representative)
		Date
<b>Signature of Attorney*</b> <input checked="" type="checkbox"/> /s/ Ali M.M. Mojdehi Signature of Attorney for Debtor(s) <u>Ali M.M. Mojdehi</u> Printed Name of Attorney for Debtor(s) <u>Baker &amp; McKenzie LLP</u> Firm Name <u>12544 High Bluff Drive, Third Floor</u> Address <u>San Diego, CA 92130-3051</u>		
<b>Signature of Non-Attorney Bankruptcy Petition Preparer</b> I declare under penalty of perjury that: (1) I am a bankruptcy petition preparer as defined in 11 U.S.C. § 110; (2) I prepared this document for compensation and have provided the debtor with a copy of this document and the notices and information required under 11 U.S.C. §§ 110(b), 110(h), and 342(b); and, (3) if rules or guidelines have been promulgated pursuant to 11 U.S.C. § 110(h) setting a maximum fee for services chargeable by bankruptcy petition preparers, I have given the debtor notice of the maximum amount before preparing any document for filing for a debtor or accepting any fee from the debtor, as required in that section. Official Form 19 is attached.		
Printed Name and title, if any, of Bankruptcy Petition Preparer  Social-Security number (If the bankruptcy petition preparer is not an individual, state the Social-Security number of the officer, principal, responsible person or partner of the bankruptcy petition preparer.) (Required by 11 U.S.C. § 110.)		
Address  <input checked="" type="checkbox"/> _____		
Date  Signature of bankruptcy petition preparer or officer, principal, responsible person, or partner whose Social-Security number is provided above.		
Names and Social-Security numbers of all other individuals who prepared or assisted in preparing this document unless the bankruptcy petition preparer is not an individual.		
If more than one person prepared this document, attach additional sheets conforming to the appropriate official form for each person.		
<i>A bankruptcy petition preparer's failure to comply with the provisions of title 11 and the Federal Rules of Bankruptcy Procedure may result in fines or imprisonment or both. 11 U.S.C. § 110; 18 U.S.C. § 156.</i>		

*[If debtor is required to file periodic reports (e.g., forms 10K and 10Q) with the Securities and Exchange Commission pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 and is requesting relief under chapter 11 of the Bankruptcy Code, this Exhibit "A" shall be completed and attached to the petition.]*

## UNITED STATES BANKRUPTCY COURT

In re Asyst Technologies, Inc., a California corporation, ) Case No. \_\_\_\_\_  
Debtor )  
 )  
 ) Chapter 11

### EXHIBIT "A" TO VOLUNTARY PETITION

1. If any of the debtor's securities are registered under Section 12 of the Securities Exchange Act of 1934, the SEC file number is 000-22430.

2. The following financial data is the latest available information and refers to the debtor's condition on 12/31/08 (on a consolidated basis).

a. Total assets	\$ <u>295,782,000.00</u>
b. Total debts (including debts listed in 2.c, below)	\$ <u>315,364,000.00</u>
c. Debt securities held by more than 500 holders.	Approximate number of holders
secured <input type="checkbox"/> unsecured <input type="checkbox"/> subordinated <input type="checkbox"/>	\$ _____
secured <input type="checkbox"/> unsecured <input type="checkbox"/> subordinated <input type="checkbox"/>	\$ _____
secured <input type="checkbox"/> unsecured <input type="checkbox"/> subordinated <input type="checkbox"/>	\$ _____
secured <input type="checkbox"/> unsecured <input type="checkbox"/> subordinated <input type="checkbox"/>	\$ _____
secured <input type="checkbox"/> unsecured <input type="checkbox"/> subordinated <input type="checkbox"/>	\$ _____

d. Number of shares of preferred stock \_\_\_\_\_

e. Number of shares common stock \_\_\_\_\_

Comments, if any: Authorized shares of common stock 300,000; Outstanding shares of common stock as of 1/30/09 50,667,669; Authorized Shares of preferred stock 4,000,000; 0 outstanding shares of preferred stock; 250,000 shares of preferred stock are designated as Series A Junior Participating Preferred Stock

3. Brief description of debtor's business: Manufacture, sell and support integrated hardware and software automation systems primarily for the semiconductor, and secondarily for the flat panel display ("FPD") manufacturing industries. Offer integrated automation systems to increase manufacturing productivity and yield .

4. List the names of any person who directly or indirectly owns, controls, or holds, with power to vote, 5% or more of the voting securities of debtor: Wellington Management Co LLP (7,090,420 or 13.99%); Barclays Global Investors US Holdings LT (2,775,912 or 5.48%)